



Lens shape	Hyperhemisphere				Hemisphere	Flat
	0.5x0.5	1x1	2x2	3x3	0.5x0.5 - 3x3	0.01x0.01 - 4x4
Detector optical area [mm ²]	0.5x0.5	1x1	2x2	3x3	0.5x0.5 - 3x3	0.01x0.01 - 4x4
R [mm]	0.5	0.8	1.25	1.6	0.5-1.6	infinity
A [mm]	1.5±0.2	2.4±0.2	3.75±0.2	4.8±0.2	0	0
B [mm]	1.9±0.2	1.9±0.2	1.9±0.2	1.9±0.2	1.9±0.2	1.9±0.2
FOV	~36°	~36°	~36°	~36°	~90°	~90°

Pin out	
Signal	1(+), 2(-)
Chassis Ground	3

3	Detector on sapphire pad	HgCdTe / GaAs / Sapphire
2	Detector cap	Brass
1	T039 housing	Gold plated Kovar
No.	Name	Material
UNIT: mm		Date: 18-Jul-16
GENERAL TOLERANCE:		SCALE: 2:1
XX±0.1 / XXX±0.05		DWG NO: DT-T039.003
SIZE A4	TITLE: Detector T039 3 pin	

Production Department
SHEET 1 OF 1
WEIGHT: 3±1 g

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VIGO System's detectors contains miniature amounts of mercury and cadmium but as part of medical devices, monitoring and control instruments can be treated as an exempt from the UE Directive on the Restriction of Hazardous Substances (RoHS).